



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/627,568  
Source: Onc  
Date Processed by STIC: 8-6-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 101627, 568

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos  
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length  
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering  
The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII  
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length  
Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"  
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)  
Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)  
Sequence(s)      missing. If Intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9      Use of n's or Xaa's  
    (NEW RULES)  
Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response  
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 X Use of <220>  
Sequence(s) 2 missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"  
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n  
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



OIEP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/627,568

DATE: 08/06/2003

TIME: 07:15:33

Input Set : A:\Seq Listing.ST25.txt

Output Set: N:\CRF4\08062003\J627568.raw

3 <110> APPLICANT: Akzo Nobel Patent Department  
 5 <120> TITLE OF INVENTION: EIAV VACCINE AND DIAGNOSTIC  
 7 <130> FILE REFERENCE: I 2000.608 CIP  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/627,568  
 C--> 9 <141> CURRENT FILING DATE: 2003-07-24  
 9 <150> PRIOR APPLICATION NUMBER: US 09/658,547  
 10 <151> PRIOR FILING DATE: 2000-09-09  
 12 <160> NUMBER OF SEQ ID NOS: 22  
 14 <170> SOFTWARE: PatentIn version 3.2  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 34  
 18 <212> TYPE: DNA  
 19 <213> ORGANISM: Artificial Sequence  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: Primer  
 24 <400> SEQUENCE: 1  
 25 ttacactag tatactccca tatatatcaa acct 34  
 28 <210> SEQ ID NO: 2  
 29 <211> LENGTH: 19  
 30 <212> TYPE: DNA  
 C--> 31 <213> ORGANISM: Artificial Sequence  
 W--> 33 <220> FEATURE:  
 W--> 33 <223> OTHER INFORMATION:  
 W--> 33 <400> 2  
 34 catgctgttc ttactgtca 19  
 37 <210> SEQ ID NO: 3  
 38 <211> LENGTH: 27  
 39 <212> TYPE: DNA  
 40 <213> ORGANISM: Artificial Sequence  
 42 <220> FEATURE:  
 43 <223> OTHER INFORMATION: Primer  
 45 <400> SEQUENCE: 3  
 46 cctcattgca ctaagcaagg atcaggc 27  
 49 <210> SEQ ID NO: 4  
 50 <211> LENGTH: 25  
 51 <212> TYPE: DNA  
 52 <213> ORGANISM: Artificial Sequence  
 54 <220> FEATURE:  
 55 <223> OTHER INFORMATION: Primer  
 57 <400> SEQUENCE: 4  
 58 gatagcttct aataatgtag cagta 25  
 61 <210> SEQ ID NO: 5  
 62 <211> LENGTH: 21

**Does Not Comply  
Corrected Diskette Needed**

→ Mandatory explanation  
see item 11 on error  
summary sheet.

## RAW SEQUENCE LISTING

DATE: 08/06/2003

PATENT APPLICATION: US/10/627,568

TIME: 07:15:33

Input Set : A:\Seq Listing.ST25.txt

Output Set: N:\CRF4\08062003\J627568.raw

```

63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Primer
69 <400> SEQUENCE: 5
70 atatcaaacc ttataacaaa t 21
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 20
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Primer
81 <400> SEQUENCE: 6
82 attatttgggt aaaggggtaa 20
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 27
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Primer
93 <400> SEQUENCE: 7
94 gcgatgctga ccatgttacc cctttac 27
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 27
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Primer
105 <400> SEQUENCE: 8
106 attctacggg gtgatcccag ggggaat 27
109 <210> SEQ ID NO: 9
110 <211> LENGTH: 24
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Primer
117 <400> SEQUENCE: 9
118 ccattgtcag ctgtgtttcc tgag 24
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 26
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Primer
129 <400> SEQUENCE: 10
130 ccaaagtatt cctccagtag aacctg 26
133 <210> SEQ ID NO: 11
134 <211> LENGTH: 31
135 <212> TYPE: DNA

```

## RAW SEQUENCE LISTING

DATE: 08/06/2003

PATENT APPLICATION: US/10/627,568

TIME: 07:15:33

Input Set : A:\Seq Listing.ST25.txt

Output Set: N:\CRF4\08062003\J627568.raw

```

136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Primer
141 <400> SEQUENCE: 11
142 atatcaaacc ttataacaaa tattgagggtt g 31
145 <210> SEQ ID NO: 12
146 <211> LENGTH: 27
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Primer
153 <400> SEQUENCE: 12
154 tactagtgtgta aaggggtaac atggtca 27
157 <210> SEQ ID NO: 13
158 <211> LENGTH: 36
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Primer
165 <400> SEQUENCE: 13
166 tactagtaca tggtcagcat cgcattctac ggggtg 36
169 <210> SEQ ID NO: 14
170 <211> LENGTH: 26
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Primer
177 <400> SEQUENCE: 14
178 aaaccttata acaaattattg aggttg 26
181 <210> SEQ ID NO: 15
182 <211> LENGTH: 26
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Primer
189 <400> SEQUENCE: 15
190 agggaaagta tgggaggaca gacacc 26
193 <210> SEQ ID NO: 16
194 <211> LENGTH: 33
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Primer
201 <400> SEQUENCE: 16
202 gtatactcaa accttataac aaatattgag gtt 33
205 <210> SEQ ID NO: 17
206 <211> LENGTH: 29
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence

```

## RAW SEQUENCE LISTING

DATE: 08/06/2003

PATENT APPLICATION: US/10/627,568

TIME: 07:15:33

Input Set : A:\Seq Listing.ST25.txt

Output Set: N:\CRF4\08062003\J627568.raw

```

210 <220> FEATURE:
211 <223> OTHER INFORMATION: Primer
213 <400> SEQUENCE: 17
214 gtttgagtat actagtgtaa aggggtaac 29
217 <210> SEQ ID NO: 18
218 <211> LENGTH: 24
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Primer
225 <400> SEQUENCE: 18
226 ccaaagtatt cctccagttc ctgc 24
229 <210> SEQ ID NO: 19
230 <211> LENGTH: 26
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Primer
237 <400> SEQUENCE: 19
238 agggaaagta tgggaggaca gacacc 26
241 <210> SEQ ID NO: 20
242 <211> LENGTH: 33
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Primer
249 <400> SEQUENCE: 20
250 tactcctcaa accttataac aaatattgag gtt 33
253 <210> SEQ ID NO: 21
254 <211> LENGTH: 28
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Primer
261 <400> SEQUENCE: 21
262 gtttgaggag tatactagtg taaagggg 28
265 <210> SEQ ID NO: 22
266 <211> LENGTH: 24
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Primer
273 <400> SEQUENCE: 22
274 ccaaagtatt cctccagttc ctgc 24

```

## RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 08/06/2003

PATENT APPLICATION: US/10/627,568

TIME: 07:15:34

Input Set : A:\Seq Listing.ST25.txt

Output Set: N:\CRF4\08062003\J627568.raw

Use of <220> Feature(NEW RULES):

Sequence(s) \_\_ are missing the &lt;220&gt; Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:2

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/627,568

DATE: 08/06/2003

TIME: 07:15:34

Input Set : A:\Seq Listing.ST25.txt

Output Set: N:\CRF4\08062003\J627568.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:31 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:33 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>  
ORGANISM:Artificial Sequence  
L:33 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>  
ORGANISM:Artificial Sequence  
L:33 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:33